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Bruhat Bengaluru Mahanagara Palike

CONSULTANCY SERVICES FOR THE PREPARATION OF

DETAILED PROJECT REPORT

Name of Project: "Consultancy Services for preparation of Survey, Designs, Drawing, Estimate preparation etc.,(Detailed Project Report) For the work of PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipment's to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants (PACKAGE NO-03)

AARTN ASSOCIATES
The Modern Construction Solution

#1059, MIG-A Sector, Opp Railwheel Factory
Yelahanka New Town, Bangalore-560064
CELL: 8048505503

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GO.Sl. No	Name of work	Estimate cost, Rs in Lakhs
01.	Repairs and Replacement of item of Gym Equipment's and Gazebo's at various Park in ward No.01, 02,03 and ward No.04 of Yelahanka Assembly Constituency.	300.00
02.	Development and providing grill fencing in 4th phase parks, 5th phase parks, and surrounding Area parks in ward No.03 of Yelahanka Assembly Constituency.	350.00
03.	Providing Ornamental Name Boards in various parks of ward No.03 and Ward No.04 of Yelahanka Assembly Constituency	100.00
04.	Improvements and development of Sardar Vallabai Patel park, Sangolli Rayana Park, Ambedkar park in Ward No.03 & 04 of Yelahanka Assembly Constituency	400.00
	Total cost of the project in Laks Rs.	1150.00

Estimated cost in Rs.1150.00

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1. INTRODUCTION

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1. INTRODUCTION

- Bangalore is the capital city of the southern Indian state Karnataka. It is the seventh largest city in India. It is also known as the Garden City because of its many beautiful gardens and parks. Though the origin of Bangalore is ancient, the present-day city was founded in the 16th century and has since continued to be an important administrative center. Because of the high concentration of IT industry, it also called the Silicon Valley of India. Bangalore is rated to one of the fastest growing cities in Asia with a current population of more than 6 million. During the last couple of decades, city has witnessed drastic increase in population, change in land use pattern of the city, life style of the people and their commuting habits and the revolutionary changes that has taken place in the automobile industry. This has contributed to the growth of vehicular traffic in an enormous way.
- Located approximately 950 meters above sea level in South India on the Deccan plateau, Bangalore enjoys a salubrious climate throughout the year. The city boasts of spacious gardens, parks, tree-lined avenues, profusion of flowering trees, lakes and parks, earning it the sobriquet of "Garden City". The once-sedate cantonment settlement of the British has now spread way beyond the mud fort and the four towers constructed by Kempe Gowda in 1537. With its booming economy and fast paced lifestyle, the capital of Karnataka has metamorphosed from a sleepy Garden City into one of India's fastest growing cosmopolitan cities. Bangalore is a city of contrasts, going by several other aliases: India's Silicon Valley, Pub City, Shopper's Paradise, Garden City, Air-Conditioned City, Gourmet's Delight, Pub Hopper's Paradise and Shopper's Hot Spot. The city not only plays host to several international information technology companies, public sector enterprises, defense organizations, and reputed educational and research industry. Bangalore has lots to offer- a rich cultural heritage, historic monuments, cultural centers, traditional arts and crafts stores, exotic cuisine, and friendly people. Amusement parks, country clubs, resorts, golf courses, cyber cafes, pubs, discos, bowling alleys, billiard halls, pool parlors, bustling shopping malls, high-rise apartments and sophisticated hotels together from the new face of Bangalore. Infotainment, entertainment, science and technology parks and wildlife safari parks all merge into a vibrant, richly textured modern metropolis. Today, from a pensioner's paradise, it has transformed into one of the most sought after destination for young people chasing their dreams in IT, BPO, Biotechnology or knowledge management. Surrounded by weekend gateways, Bangalore makes an ideal hub for visitors who want to travel to the many hill stations and coastal towns of South India. Bangalore is also well connected by road, rail and airways to all major metros and cities in the country.

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- The combined effect of all these on the road network of Bangalore is delay and congestion beyond tolerable limits. Vehicular conflicts at the intersections are being eliminated by traffic signals but at the expense of delays and long queues. The peak hours has spread over a longer period of time, since there are no perceptible capacity augmentation/conflict reduction measures.
- **Project Location**

The Project includes Improvements of parks and providing children play and GYM equipment in Sardar Vallabhai Patel Park , Kitturu Rani Chennamma Park, Gautam Buddha Park, Krishnadevaraya Park, Sangolli rayanna Park, PancahkriGavayya park, SubhasChandra Park, Dr.Ambedkar Park, Ramana Maharshi Park, Santa Sevalaya Park, Triangular Park (Attur 4th phase-SFS 407) and surrounding areas park in ward No-1,2,3 & 4 Attur. The project area is located near Yelahanka New Town in Northern part of Bangalore city. Major attractions near the stretch are Muneshwara Swamy Kalyana Mantapa, Kashivishwanatha Temple and Sai Baba Temple-Yelahanka. The park facilities provides in Yelahanka New Town and surrounding area.

Key map of the roads proposed is enclosed in Annexure key Map.

Overall Map:-

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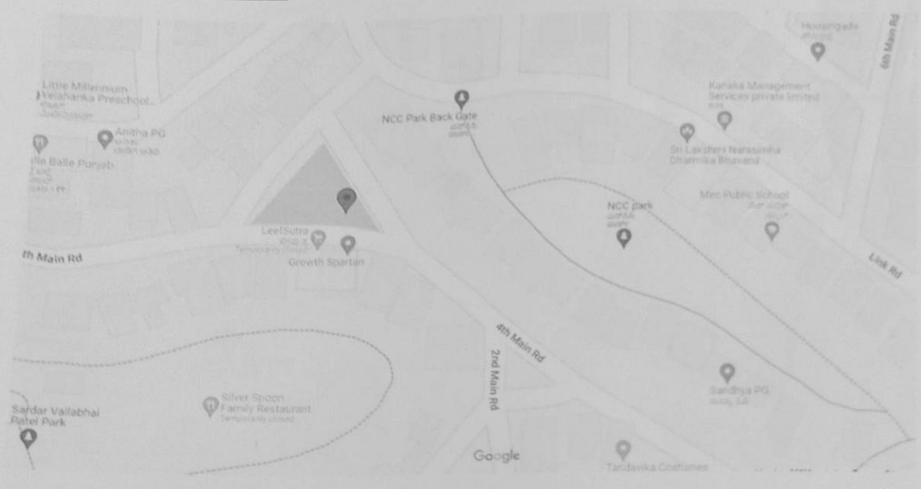
Subhash Chandra Bose Park:-

Sardar valbhai patel:-



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Sri Panchakshari Gavayai park (CSH-707):-

Sri Krishna dhevraya park:-

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SFS 407 Triangle park:-

Sangloli rayana park:-

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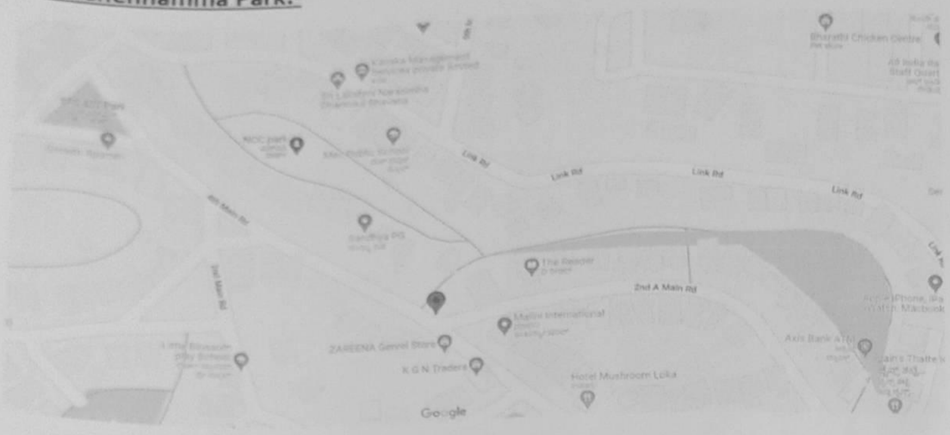
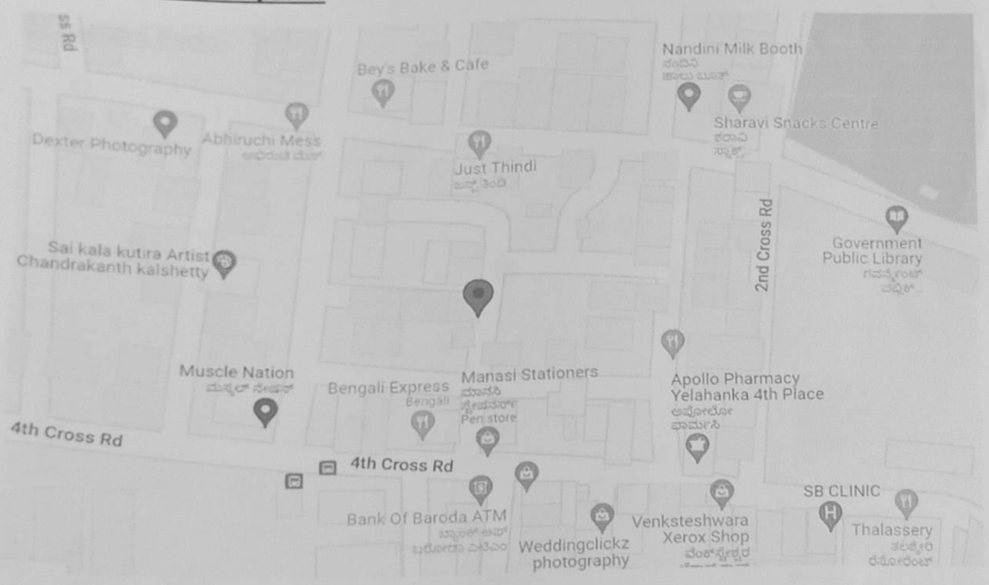
Rani Chennamma Park:-



Ramana maharshi park:-



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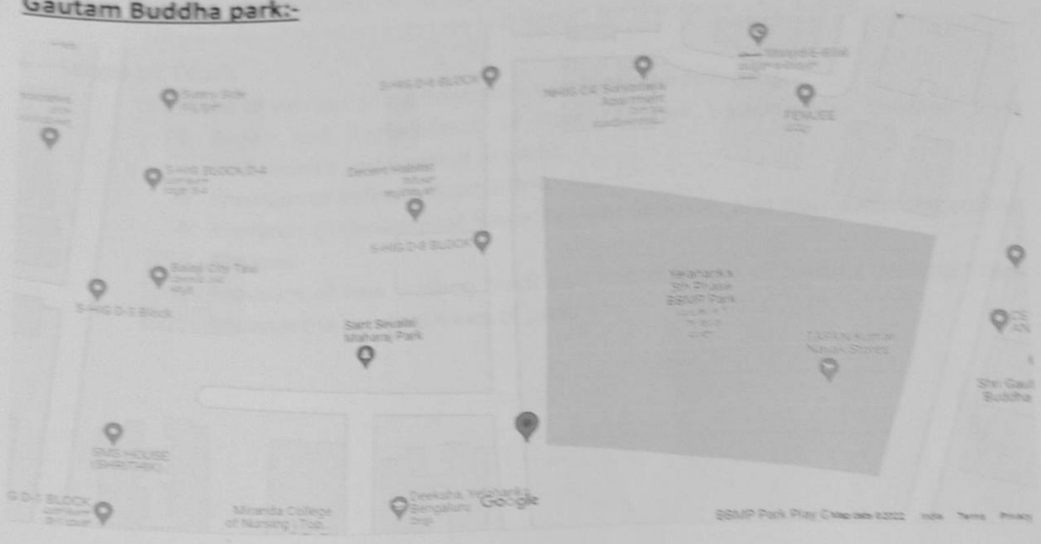
Gautam Buddha park:-



Dr.Bendra Park:-

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AARTN ASSOCIATES is entrusted by BBMP to carry out the work of preparation of Detailed Estimate and Report for the above said works.

- **Scope of Work**

  The scope of services of the Consultancy includes the following:

  - ❖ Repair and Replacement of Item of Gym Equipment's, Children Play Equipment's and Gazebos at parks.
  - ❖ Provision of Vidhana Soudha Grill.
  - ❖ Provision of Ornamental Name Boards, Benches, and Rain water Harvesting Systems.
  - ❖ Provision of new walking Track and Improvement of Existing walking Track Improve the ascetical views of park.

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2. PHYSICAL CHARACTERISTICS OF PARKS

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2. PHYSICAL CHARACTERISTICS OF PARKS

General

- Investigations/studies have been carried out along the project area. Physical characteristics of these parks and lakes surrounding area are as follows. The Project includes improvements of parks and providing children play and GYM equipment in Sardar Vallabhai Patel Park , Kitturu Rani Chennamma Park, Gautam Buddha Park, Krishnadevaraya Park, Sangolli Rayanna Park, Pancahkri Gavayya park, Subhas Chandra Park, Dr.Ambedkar Park, Ramana Maharshi Park, Santa Sevalaya Park, Triangular Park (Attur 4th phase- SFS 407) and surrounding areas park in ward No-1,2,3 & 4 Attur. The project area is located near Yelahanka New Town in Northern part of Bangalore City. Major attractions near the stretch are Muneshwara Swamy Kalyana Mantapa, KASHIVISHWANATHA TEMPLE and Sai Baba Temple – Yelahanka. The park facilities provides in Yelahanka New Town and surrounding area.

Park Furniture Specifications

General

1) Park furniture includes items such as; park benches, trash receptacles and pet waste dispensers as listed in this section.
2) Products can be powder coated, or an acceptable alternative product approved by parks and Recreation Director, or designee.
3) All products must be formulated to resist chemical attack, and retain weather ability, dielectric strength, fire resistance, abrasion resistance, and other properties as are applicable to park site conditions.
4) It shall be the Contractors responsibility to receive, inventory, store and secure all park furnishings to protect from weatherization for installation.

Park Benches

a) See appendix for approved selections.
b) Frame must be fabricated to allow for in-ground mount installation or surface mounted by bolt down method through steel plate as required in drawings per field application.
c) Colors to be selected from manufacturers available color palette.

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Benches requirements

i. See appendix for approved selections.
ii. Forms and shapes as available for benches above and noted on drawings.
- Manufacturer to provide frame supports on the underside of the bench as is required for installation onto tubular anchor plate(s).

iii. Color – sample of Manufacture colors need be provided for selection.

Trash Receptacles

a) See appendix for approved selections.
b) Trash receptacle specifications include:

- 32 gallon capacity.
- An inner rigid plastic liner.
- Flat lid with 14 inch opening that can be secured to the main body.
- In-ground mounted.

Installation

a) Installation must comply with manufacturer's recommendations and in compliance with all applicable building codes and State SR.

Proposed Improvements to Park

The proposals for the improvement of the open space of the existing project sections generally include:

a) Park Furniture and Appurtenances

- Provision of Interlocking Cobble stone for Pathways.
- Provision of Vidhana Saudha Grill Fencing and Vidhana Saudha Gate.
- Provision of Garbage Bins.
- Provision of Removing and Resettling of Cobble.
- Provision of New Cobble at missing length.
- Provision of precast solid cement concrete kerb stones
- Provision of painting to grill and kerbs.
- Provision of Gym Equipment in parks.
- Provision of Children Play equipment in parks.
- Provision of Gym Platform.
- Provision of sand filling for children's play area.

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1. COST ESTIMATES

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3. COST ESTIMATES

- **Detailed Cost Estimate**

  Detailed Cost Estimate has been worked out based on detailed engineering design.

- **General**

  Cost Estimate is an important part of the Report as it provides vital input to financial evaluation of the project. The cost estimates have been prepared for land scape of the existing land including park furniture, site clearance and dismantling.

- **Basic Rates**

  As part of report, Rate Analysis of each of the item has been prepared by adopting PW, P & IWTD SR 2021 – 22, 2018-19 and KPWD SR (Ele) 2018-19 Bangalore Circle. The rates as given in PW, P & IWTD SR are to be enhanced by 10% for additional weightages for the works to be executed under extra ordinary conditions for Bangalore Metropolitian Limits. Items are not covered in NHSR/PW, P & IWTD SR have been based on market rates.

- **DPR Preparation, Project Management and Quality Control**

  Provision of 1% of construction cost has been made towards DPR Preparation and 1% for charges towards third party inspection.

- **Project Cost**

  The total project cost for the proposed work is 1150.00 Lakh.
  Detailed Cost Estimate is enclosed in **Annexure: Detailed Cost Estimate**

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2. CONCLUSION

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4. CONCLUSION

- The project includes improvements of parks and providing children play and Gym equipment's in Sardar Vallabhai Patel Park , Kitturu Rani Chennamma Park, Gautam Buddha Park, Krishnadevaraya Park, Sangolli Rayanna Park, Pancahkri Gavayya park, Subhas Chandra Park, Dr.Ambedkar Park, Ramana Maharshi Park, Santa Sevalaya Park, Triangular Park (Attur 4th phase- SFS 407) and surrounding areas park in ward No-1,2,3 & 4 Attur. The project area is located near Yelahanka New Town in Northern part of Bangalore City. Major attractions near the stretch are Muneshwara Swamy Kalyana Mantapa, KASHIVISHWANATHA TEMPLE and Sai Baba Temple – Yelahanka. The park facilities provides in Yelahanka New Town and surrounding area. The spurt in the development of Bangalore City withcreation of ITPL, Tech Parks, Layouts, and Education Institutions has resulted in change of the land use pattern. Further, Bruhat Bangalore Mahanagara Palike has decided to take up the development of various parks in and around Bangalore city where the population growth intensity has increased significantly and there is a requirement for augmentation of capacity for safe and healthy environment. This being the Background, Bruhat Bangalore Mahanagara Palike has proposed for the following work in order to provide high level standards.

For the proposed improvement scheme, Total Cost of the project has been worked out as Rs. 1150.00 Lakh.

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